

# PATENT ABSTRACTS OF JAPAN

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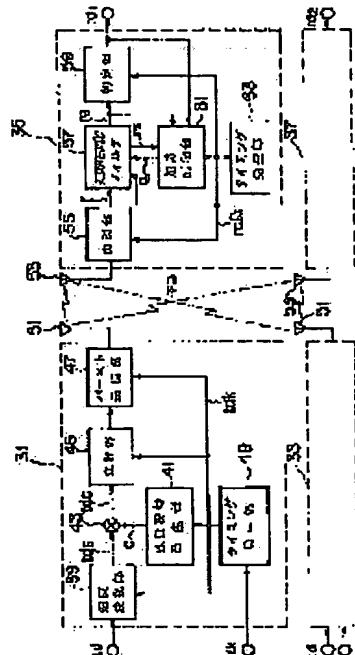
(21)Application number : 05-307635 (71)Applicant : NEC CORP  
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## (54) MOBILE COMMUNICATION EQUIPMENT

### (57)Abstract:

**PURPOSE:** To provide the equipment realized with comparatively simple configuration by enhancing a channel capacity of a mobile communication system especially a cellular system, tracing movement of a transmission line (fading) specific to mobile communication and easily introducing a future multi-bit rate service.

**CONSTITUTION:** The equipment is provided with a couple of transmitters 31, 33 and receivers 35, 37 per one channel. Each of the transmitters 31, 33 consists of a speed conversion section 39, a spread code generating section 41, a spread section 43, a modulation section 45, a burst transmission section 47, a timing generating section 49 and an antenna 51. Each of the receivers 35, 37 consists of an antenna 53, a demodulation section 55, an adaptive inverse spread filter 57, a discrimination section 59, an adaptive control section 61, and a timing generating section 63. The mobile communication transmitter-receiver adopts the combination of the time division multiplex system (TDMA) and the code division multiplexer system (CDMA) and the receiver adopts an interference canceller using the adaptive inverse spread filter to obtain a far excellent characteristic in comparison with single characteristics.



## LEGAL STATUS

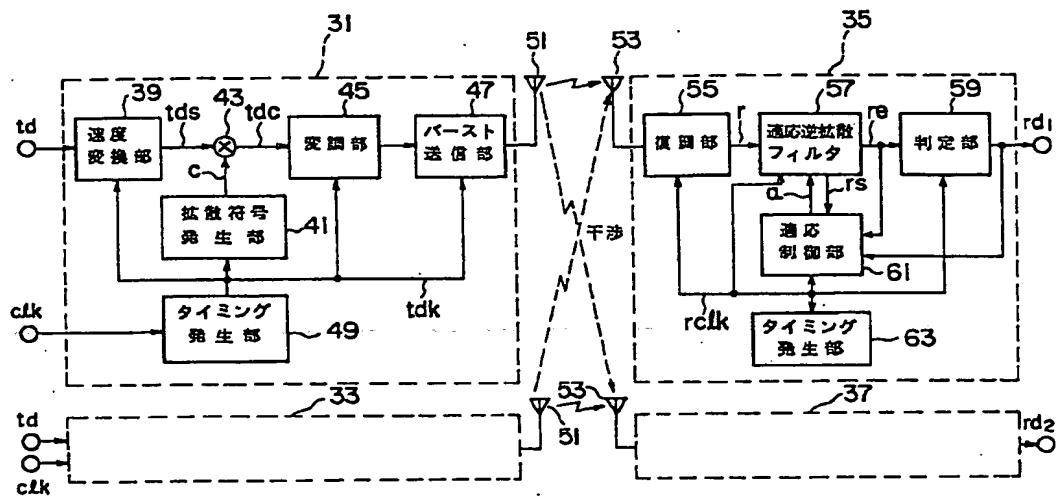
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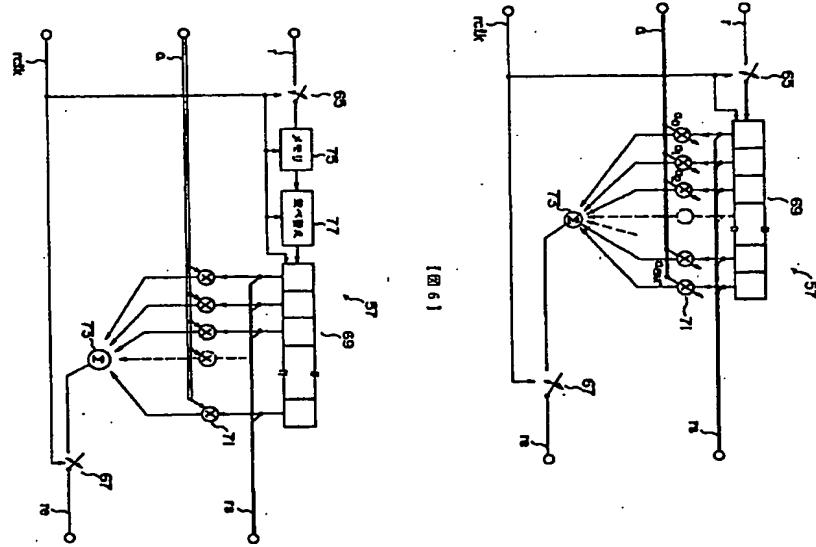






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